

Agency for Healthcare Research and Quality (AHRQ)
Healthcare Cost and Utilization Project (HCUP)
AHRQ Prevention Quality Indicators
Maine

AHRQ Prevention Quality Indicators (PQIs)		2009								
		Maine		Total U.S.		P-value: State relative to Nation	Lowest State		Highest State	
		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error
PQI 1	Admissions with diabetes with short-term complications per 100,000 population, age 18 and over	50.524	2.338	64.426	1.766	0.000	37.427	1.393	97.187	2.748
PQI 2	Admissions with perforated appendix per 1,000 admissions with appendicitis, age 18 and over	319.641	16.861	275.215	2.228	0.009	206.438	11.308	429.188	28.115
PQI 3	Admissions with diabetes with long-term complications per 100,000 population, age 18 and over	84.913	2.724	114.456	3.357	0.000	51.941	1.774	150.895	1.863
PQI 5	Admissions with chronic obstructive pulmonary disease (COPD) per 100,000 population, age 18 and over	228.432	4.269	227.189	5.984	0.866	66.424	2.056	488.738	5.291
PQI 7	Admissions with hypertension per 100,000 population, age 18 and over	19.511	1.300	61.422	2.515	0.000	10.236	1.427	89.461	1.432
PQI 8	Admissions for congestive heart failure (CHF) per 100,000 population, age 18 and over	290.121	4.762	361.706	8.478	0.000	153.905	3.175	564.653	4.512
PQI 9	Low birth weight infants per 1,000 newborns	52.710	1.952	62.720	1.100	0.000	32.042	2.167	76.419	1.050
PQI 10	Admissions for dehydration per 100,000 population, age 18 and over	69.701	2.407	86.897	2.348	0.000	36.074	1.077	160.194	2.438
PQI 11	Admissions for bacterial pneumonia per 100,000 population, age 18 and over	313.527	5.084	325.439	7.006	0.169	221.590	2.090	549.135	11.891
PQI 12	Admissions for urinary tract infection (UTI) per 100,000	128.823	3.293	192.654	5.211	0.000	89.210	2.856	288.889	3.254
PQI 13	Admissions for angina without cardiac procedure per 100,000 population, age 18 and over	24.857	1.439	21.651	0.884	0.058	6.301	0.634	38.447	0.930
PQI 14	Admissions for uncontrolled diabetes without complications per 100,000 population, age 18 and over	6.405	0.753	22.041	1.075	0.000	3.442	0.829	35.337	0.480
PQI 15	Admissions for asthma per 100,000 population, age 18 and over	79.568	2.732	130.662	4.847	0.000	45.095	1.641	186.230	1.103
PQI 15B (added)	Admissions for asthma per 100,000 population, age 65 and over	144.145	8.568	239.424	8.400	0.000	79.865	5.811	323.192	5.297
PQI 16	Lower extremity amputations among admissions for diabetes per 100,000 population, age 18 and over	24.402	1.416	32.072	0.933	0.000	11.511	1.626	44.230	1.102
PQI 17 (added)	Admissions for immunization-preventable pneumococcal pneumonia per 100,000 population, age 65 and over	80.011	6.270	66.112	2.281	0.037	29.691	0.971	191.030	16.850
PQI 18 (added)	Admissions for immunization-preventable influenza per 100,000 population, age 65 and over	46.010	4.753	45.043	1.825	0.849	26.270	1.497	82.184	7.362
PQI 90	AHRQ overall Prevention Quality Indicator (PQI) composite per 100,000 population, age 18 and over	1303.894	9.973	1622.310	36.764	0.000	768.629	6.808	2358.870	7.875
PQI 91	AHRQ acute Prevention Quality Indicator (PQI) composite per 100,000 population, age 18 and over	512.052	6.446	604.990	13.543	0.000	357.767	5.839	946.127	5.222
PQI 92	AHRQ chronic Prevention Quality Indicator (PQI) composite per 100,000 population, age 18 and over	791.842	7.946	1017.363	24.483	0.000	387.359	4.870	1420.475	8.986

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Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project, Nationwide Inpatient Sample and AHRQ Quality Indicators, modified version of 4.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different PQIs. For all but PQI 2 and PQI 9, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population. For PQI 2 and PQI 9, rates are adjusted by age and gender using total U.S. inpatient discharges for 2000 as the standard population.

Agency for Healthcare Research and Quality (AHRQ)
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AHRQ Patient Safety Indicators
Maine

AHRQ Patient Safety Indicators (PSIs)		2009								
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		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error
PSI 2	Deaths per 1,000 hospital admissions with expected low-mortality, age 18 and over or obstetric admissions	*	*	0.455	0.008	*	0.196	0.046	1.088	0.063
PSI 3	Admissions with stage III or IV pressure ulcer per 1,000 medical and surgical admissions of length 5 or more days, age 18 and over	8.964	0.928	10.348	0.059	0.137	4.231	0.586	17.696	0.217
PSI 4	Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, ages 18-89 or obstetric admissions	125.323	15.865	116.170	0.714	0.564	71.245	11.181	168.019	32.521
PSI 6	Admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, age 18 and over	1.104	0.104	1.329	0.007	0.031	0.874	0.128	1.874	0.194
PSI 7	Admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, age 18 and over or obstetric admissions	1.293	0.252	2.759	0.015	0.000	1.161	0.216	5.693	0.191
PSI 8	Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, age 18 and over	*	*	0.217	0.006	*	0.146	0.028	0.375	0.041
PSI 9	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical admissions, age 18 and over	2.682	0.296	2.812	0.019	0.661	2.207	0.239	4.156	0.315
PSI 10	Postoperative physiologic and metabolic derangements per 1,000 elective-surgery admissions, age 18 and over	*	*	1.810	0.017	*	0.805	0.104	3.327	0.211
PSI 11	Postoperative respiratory failure per 1,000 elective-surgery admissions, age 18 and over	7.430	0.703	9.805	0.041	0.001	6.542	0.355	15.752	0.476
PSI 12	Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical admissions, age 18 and over	11.083	0.619	14.104	0.040	0.000	7.582	0.724	18.206	0.245
PSI 13	Postoperative sepsis per 1,000 elective-surgery admissions of length 4 or more days, age 18 and over	12.747	1.834	15.306	0.120	0.164	7.464	2.111	29.282	0.962
PSI 14	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, age 18 and over	3.260	0.583	2.181	0.040	0.065	1.701	0.346	5.182	1.082
PSI 15	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, age 18 and over	4.806	0.183	3.819	0.012	0.000	3.127	0.074	5.502	0.198
PSI 17	Birth trauma - injury to newborn per 1,000 live births	2.179	0.411	2.192	0.102	0.975	1.318	0.109	5.893	0.295

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PSI 18	Obstetric trauma per 1,000 instrument-assisted vaginal deliveries	158.242	15.268	143.737	2.857	0.350	106.430	9.659	232.638	10.891
PSI 19	Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	26.964	1.764	22.220	0.367	0.008	15.997	0.672	34.355	1.457
PSI 21	Admissions for foreign body accidentally left in during procedure per 100,000 population, age 18 and over	*	*	1.325	0.071	*	0.866	0.242	2.427	0.355
PSI 22	Admissions for iatrogenic pneumothorax per 100,000 population, age 18 and over	6.201	0.726	8.096	0.288	0.015	4.184	0.889	10.772	0.686
PSI 23	Admissions for central venous catheter-related bloodstream infections per 100,000 population, age 18 and over	8.947	0.938	14.791	0.657	0.000	4.307	0.923	22.090	1.074
PSI 24	Admissions for reclosure of abdominal wound dehiscence per 100,000 population, age 18 and over	2.332	0.441	1.939	0.090	0.382	1.207	0.331	3.338	0.413
PSI 25	Admissions for accidental puncture or laceration during procedure per 100,000 population, age 18 and over	44.295	1.984	38.780	1.494	0.026	26.562	1.590	55.066	2.542
PSI 26	Admissions for transfusion reactions per 100,000 population, age 18 and over	*	*	0.066	0.014	*	0.071	0.021	0.071	0.021
PSI 27	Admissions for postoperative hemorrhage or hematoma per 100,000 population, age 18 and over	12.778	1.078	15.528	0.566	0.024	7.448	1.386	19.704	0.678

Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project, Nationwide Inpatient Sample and AHRQ Quality Indicators, modified version of 4.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different PSIs. For PSI 2 - PSI 4, PSI 6 - PSI 15, rates are adjusted by age, gender, age-gender interactions, comorbidities, and Diagnosis Related Group (DRG) clusters. For PSI 17, rates are not risk-adjusted. For PSI 18 - PSI 19, rates are adjusted by age. For PSI 21 - PSI 27, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population. The AHRQ PSI software was modified to not use the present on admission (POA) indicators (nor estimates of the likelihood of POA for secondary diagnosis).

* Data do not meet the criteria for statistical reliability, data quality, or confidentiality.

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AHRQ Inpatient Quality Indicators (IQIs)											
IQI 8	Deaths per 1,000 hospital admissions with esophageal resection for cancer, age 18 and over	*	*	44.536	3.023	*		37.893	10.884	240.684	45.435
IQI 9	Deaths per 1,000 hospital admissions with pancreatic resection for cancer, age 18 and over	234.228	49.992	53.142	2.496	0.000		40.289	9.221	234.228	49.992
IQI 11	Deaths per 1,000 hospital admissions with abdominal aortic aneurysm repair, age 18 and over	*	*	48.580	0.907	*		33.060	5.546	66.678	11.964
IQI 12	Deaths per 1,000 hospital admissions with coronary artery bypass graft, age 40 and over	32.550	4.476	22.234	0.289	0.021		16.625	4.757	37.910	3.373
IQI 13	Deaths per 1,000 hospital admissions with craniotomy, age 18 and over	45.314	9.704	44.170	0.491	0.906		26.851	3.079	83.118	10.392
IQI 14	Deaths per 1,000 hospital admissions with a hip replacement procedure, age 18 and over	*	*	1.036	0.071	*		0.943	0.251	3.492	0.746
IQI 15	Deaths per 1,000 hospital admissions with acute myocardial infarction (AMI), age 18 and over	55.312	3.601	54.126	0.284	0.743		44.605	2.023	84.187	10.159
IQI 16	Deaths per 1,000 hospital admissions with congestive heart failure (CHF), age 18 and over	24.869	2.276	25.397	0.146	0.817		12.352	1.159	64.068	5.870
IQI 17	Deaths per 1,000 hospital admissions with acute stroke, age 18 and over	109.138	5.248	80.738	0.316	0.000		53.937	2.324	131.083	13.798
IQI 18	Deaths per 1,000 hospital admissions with gastrointestinal hemorrhage, age 18 and over	27.227	2.888	19.363	0.180	0.007		12.737	1.315	29.852	6.220
IQI 19	Deaths per 1,000 hospital admissions with hip fracture, age 65 and over	31.166	3.819	23.785	0.278	0.054		14.726	1.842	56.569	10.031
IQI 20	Deaths per 1,000 hospital admissions with pneumonia, age 18 and over	29.749	2.458	30.667	0.158	0.709		18.633	1.191	48.774	4.650
IQI 21	Cesarean deliveries per 1,000 deliveries	262.598	4.107	301.456	2.074	0.000		199.484	1.909	384.457	2.235
IQI 22	Vaginal birth after cesarean per 1,000 women with previous cesarean deliveries	86.896	7.407	85.817	2.425	0.890		40.106	1.084	171.197	7.489
IQI 23	Laparoscopic cholecystectomies per 1,000 cholecystectomy procedures, age 18 and over	756.996	12.424	835.422	1.671	0.000		738.706	24.707	884.927	3.432
IQI 24	Incidental appendectomies per 1,000 hospital admissions with abdominal or pelvic surgery, age 65 and over	13.709	2.586	11.634	0.393	0.428		6.311	1.071	17.266	2.436
IQI 25	Bilateral cardiac catheterizations per 1,000 heart catheterizations for coronary artery disease, age 18 and over	36.019	2.625	17.008	0.461	0.000		4.894	0.550	38.723	0.813
IQI 26	Coronary artery bypass grafts per 100,000 population, age 40 and over	138.902	4.363	185.729	11.165	0.000		88.181	5.240	283.830	3.182
IQI 27	Percutaneous transluminal coronary angioplasties per 100,000 population, age 40 and over	376.035	7.234	475.061	26.275	0.000		227.767	5.948	698.411	5.798
IQI 28	Hysterectomies per 100,000 female population, age 18 and over	306.630	7.764	359.120	11.986	0.000		168.481	8.356	900.250	28.324
IQI 29	Laminectomies or spinal fusions per 100,000 population, age 18 and over	187.731	4.069	268.402	14.023	0.000		101.350	3.106	450.068	3.917

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IQI 30	Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty, age 40 and over	11.283	1.818	12.831	0.116	0.396	8.589	0.567	16.269	0.928
IQI 31	Deaths per 1,000 hospital admissions with carotid endarterectomy, age 18 and over	*	*	5.156	0.210	*	3.358	0.735	8.955	1.910
IQI 32	Deaths per 1,000 hospital admissions with acute myocardial infarction (AMI), age 18 and over	60.376	4.452	57.520	0.330	0.522	48.275	2.321	97.788	11.611
IQI 33	First-time cesarean deliveries (identified by no previous cesarean delivery diagnosis on the record) per 1,000 deliveries	169.163	3.775	183.877	1.653	0.000	99.308	1.568	232.903	2.188
IQI 34	Vaginal birth after cesarean per 1,000 women with previous cesarean deliveries	81.862	6.737	84.992	2.348	0.661	41.175	1.031	163.864	4.470

Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project, Nationwide Inpatient Sample and AHRQ Quality Indicators, modified version of 4.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different IQIs. For IQI 8 - IQI 9, IQI 11 - IQI 20 and IQI 30 - IQI 32, rates are adjusted by age, gender, age-gender interactions, Major Diagnostic Categories (MDC), and APR-DRG risk of mortality score. For IQI 21 - IQI 25 and IQI 33 - IQI 34, rates are adjusted by age and gender using total U.S. inpatient discharges for 2000 as the standard population. For IQI 26 - IQI 29, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population. The AHRQ IQI software was modified to not use the present on admission (POA) indicators (nor estimates of the likelihood of POA for secondary diagnosis).

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AHRQ Pediatric Quality Indicators
Maine

AHRQ Pediatric Quality Indicators (PDIs)		2009								
		Maine		Total U.S.		P-value: State relative to Nation	Lowest State		Highest State	
		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error
PDI 01	Admissions with accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, age less than 18 years	0.962	0.273	0.743	0.016	0.424	0.449	0.108	1.822	0.204
PDI 02	Admissions with stage III or IV pressure ulcer per 1,000 medical and surgical admissions of length 5 or more days, age less than 18 years	*	*	1.297	0.107	*	1.099	0.279	2.874	0.603
PDI 05	Admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, age less than 18 years	0.558	0.141	0.200	0.008	0.011	0.121	0.031	0.558	0.141
PDI 06	Deaths per 1,000 heart surgery admissions, age less than 18 years	*	*	36.949	1.303	*	25.670	6.870	95.908	24.591
PDI 08	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical admissions, age less than 18 years	*	*	2.062	0.127	*	2.283	0.658	14.988	3.958
PDI 09	Postoperative respiratory failure per 1,000 elective-surgery admissions, age less than 18 years	*	*	15.938	0.330	*	10.293	1.730	42.725	3.461
PDI 10	Postoperative sepsis per 1,000 elective-surgery admissions of length 4 or more days, age less than 18 years	44.947	12.100	32.871	0.626	0.319	18.482	5.191	84.892	11.295
PDI 11	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, age less than 18 years	*	*	1.433	0.132	*	1.307	0.347	3.201	0.714
PDI 12	Admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, age less than 18 years	*	*	4.594	0.053	*	2.246	0.532	10.645	0.704
PDI 14	Admissions for asthma per 100,000 population, ages 2-17	73.942	5.554	145.345	13.781	0.000	49.951	6.746	263.898	2.609
PDI 15	Admissions with diabetes with short-term complications per 100,000 population, ages 6-17	20.786	3.223	27.501	2.879	0.120	14.476	1.608	55.337	4.599
PDI 16	Admissions for pediatric gastroenteritis per 100,000 population, ages 3 months to 17 years	95.168	6.018	98.547	7.213	0.719	39.955	3.761	292.394	5.580
PDI 17	Admissions with perforated appendix per 1,000 admissions with appendicitis, ages 1-17	357.256	31.042	297.970	4.707	0.059	212.033	13.859	462.825	45.411
PDI 18	Admissions for urinary tract infection (UTI) per 100,000 population, ages 3 months to 17 years	27.175	3.171	40.214	2.712	0.002	17.946	1.442	89.268	4.827
PDI 90	AHRQ overall Pediatric Quality Indicator (PDI) composite per 100,000 population, ages 6-17	120.528	8.018	189.929	14.867	0.000	66.042	8.536	345.055	7.526
PDI 91	AHRQ acute Pediatric Quality Indicator (PDI) composite per 100,000 population, ages 6-17	50.218	5.201	59.955	3.955	0.136	26.010	2.218	155.385	5.136

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PDI 92	AHRQ chronic Pediatric Quality Indicator (PQI) composite per 100,000 population, ages 6-17	70.311	6.106	129.975	11.894	0.000	30.821	5.874	200.857	2.634
NQI 01	Admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, neonates weighing 500 to 2500 grams	*	*	0.316	0.032	*	0.338	0.095	0.951	0.278
NQI 02	Deaths per 1,000 newborn admissions	2.501	0.443	2.141	0.020	0.418	1.179	0.166	3.297	0.184
NQI 03	Admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, newborns	*	*	50.833	0.676	*	19.624	3.633	103.669	7.071

Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project, Nationwide Inpatient Sample and AHRQ Quality Indicators, modified version of 4.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different PDIs. For PDI 1, PDI 2, PDI 5 - PDI 6, PDI 8 - PDI 10, PDI 12, and NQI 2 - NQI 3, rates are adjusted by age, gender, Diagnostic Related Groups (DRG) and Major Diagnostic Categories (MDC) groups, and comorbidities. For PDI 11 and NQI 1, rate is adjusted by co-morbidity. For PDI 14 - PDI 16, PDI 18 and PDI 91 - PDI 92, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population. For PDI 17, rates are adjusted by age and gender using total U.S. inpatient discharges for 2000 as the standard population.

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